



# Wi-Fi CERTIFIED® Certificate

This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org](http://www.wi-fi.org)



**Certification ID: WFA114154**

## Product Info

<b>Date of Certification</b>	September 2, 2021
<b>Company</b>	Huawei Technologies Co., Ltd.
<b>Product Name</b>	Home Gateway
<b>Product Model Variant</b>	LG8245X6-50
<b>Model Number</b>	LG8245X6-50
<b>Category</b>	Routers
<b>Sub-category</b>	Enterprise/Service Provider Access Point, Switch/Controller or Router

## Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Access</b>	Wi-Fi Protected Setup™
<b>Alternative topologies</b>	Wi-Fi EasyMesh™
<b>Network management</b>	WMM® WMM®-Power Save Wi-Fi Agile Multiband™
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2020-02 WPA3™-Personal 2020-02
<b>Wi-Fi (MAC/PHY)</b>	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux

### Wi-Fi Component Firmware

V5

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	2	2

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 MHz Channel Width in 2.4 GHz

### 5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz  
40 MHz Channel Width in 5 GHz  
80 MHz Channel Width in 5 GHz  
160 MHz Channel Width in 5 GHz

### Protected Management Frames

### WMM®

### WMM®-Power Save

Legacy Power Save  
Unschedule auto PS

### WPA2™-Enterprise 2018-04

EAP methods

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2020-02

EAP methods

### WPA3™-Personal 2020-02

### Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list

### Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU  
Basic Trigger frame in HE MU PPDU  
BSRP Trigger frame  
DL MU-MIMO  
DL OFDMA  
Individual Target Wake Time  
LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
MCS 8-9 Tx  
MCS 10-11 Rx

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## Wi-Fi CERTIFIED 6® (continued)

MCS 10-11 Tx  
MU-BAR Trigger frame  
MU-RTS Trigger frame  
Operating mode subfield in A-Control field  
Operating mode indication  
Operating mode UL MU Rx  
SU beamformer  
SU-MIMO  
UL OFDMA

## Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

RTS with BW Signaling  
Extended 5 GHz Channel Support  
A-MPDU with A-MSDU  
DL MU-MIMO  
LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
SU beamformer

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

OBSS on Extension Channel  
Short Guard Interval  
STBC

## Wi-Fi CERTIFIED™ n (continued)

A-MPDU Tx

## Wi-Fi EasyMesh™

Backhaul Link  
Backhaul in 2.4 GHz  
Backhaul in 5 GHz low band  
Backhaul in 5 GHz high band  
Backhaul over Ethernet  
Fronthaul Access Point  
Fronthaul in 2.4 GHz  
Fronthaul in 5 GHz low band  
Fronthaul in 5 GHz high band  
Client Capability Query  
Unassociated STA Link Metrics Reporting  
Backhaul onboarding with Wi-Fi Protected Setup pushbutton  
Coordinated CAC  
Traffic separation

## Wi-Fi Protected Setup™

PIN  
Pushbutton

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# Wi-Fi CERTIFIED® Certificate

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Role: Controller

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux

## Certifications

Wi-Fi EasyMesh™

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